

APPROVED O. G. FIG.
BY
DRAFTSMAN

Title: SYSTEM AND METHOD FOR ADAPTING TEST THRESHOLDS FOR IDENTIFYING SOLDER JOINT DEFECTS
CLASS: 1 SUBCLASS: 1

Inventor: Lucy Ragland Agilent Technologies PDNO.: 100-126-1

1/15

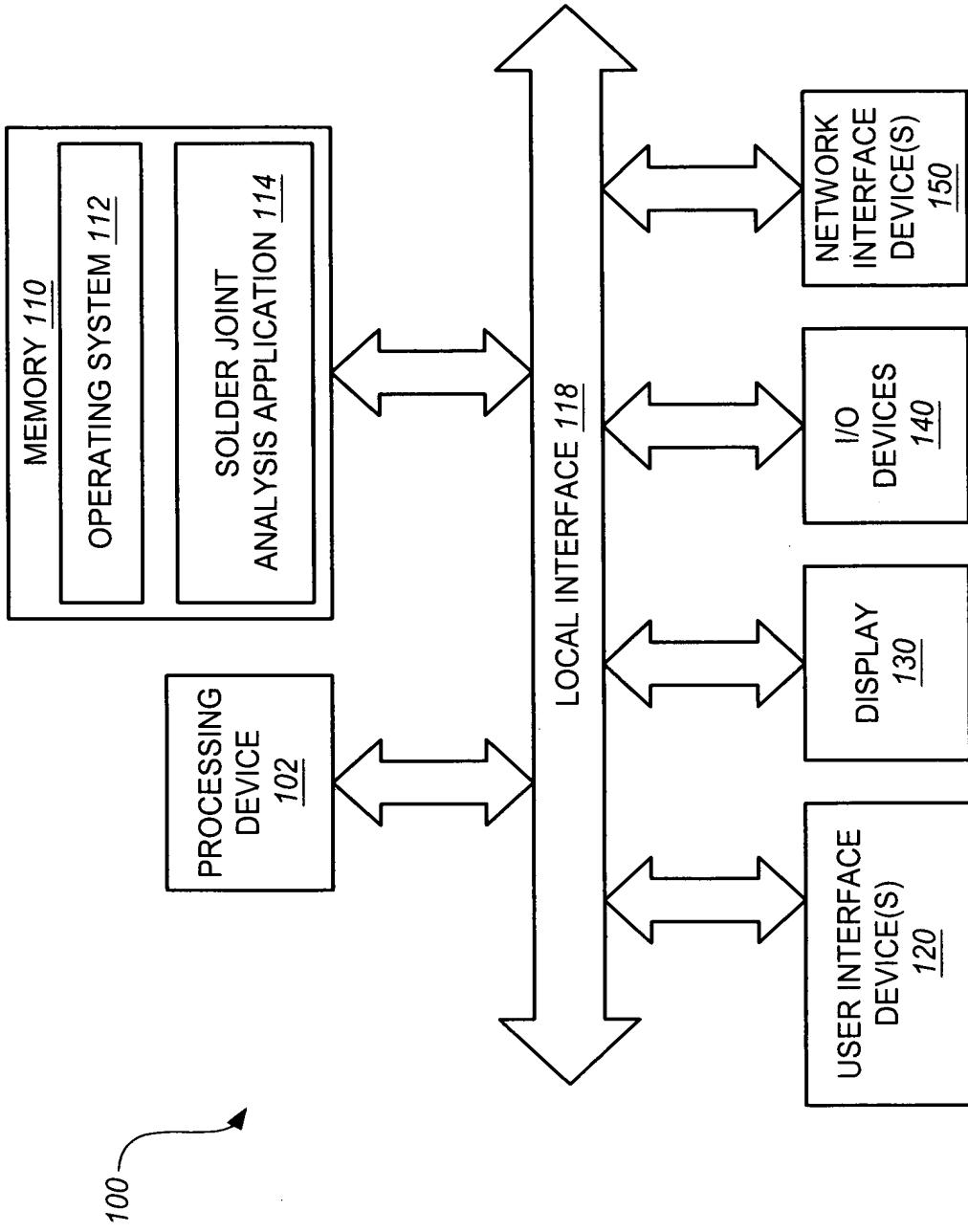


FIG. 1

APPROVED	O.G. FIG.
BY	TEST SYSTEM AND METHOD FOR ADAPTING TEST THRESHOLDS FOR IDENTIFYING SOLDER JOINT DEFECTS
DRAFTSMAN	Inventor: Lucy Ragland Agilent Technologies PDNO.: 100-26-1 2/15

TEST SYSTEM AND METHOD FOR ADAPTING TEST THRESHOLDS FOR IDENTIFYING SOLDER JOINT DEFECTS

Inventor: Lucy Ragland Agilent Technologies PDNO.: 100-26-1

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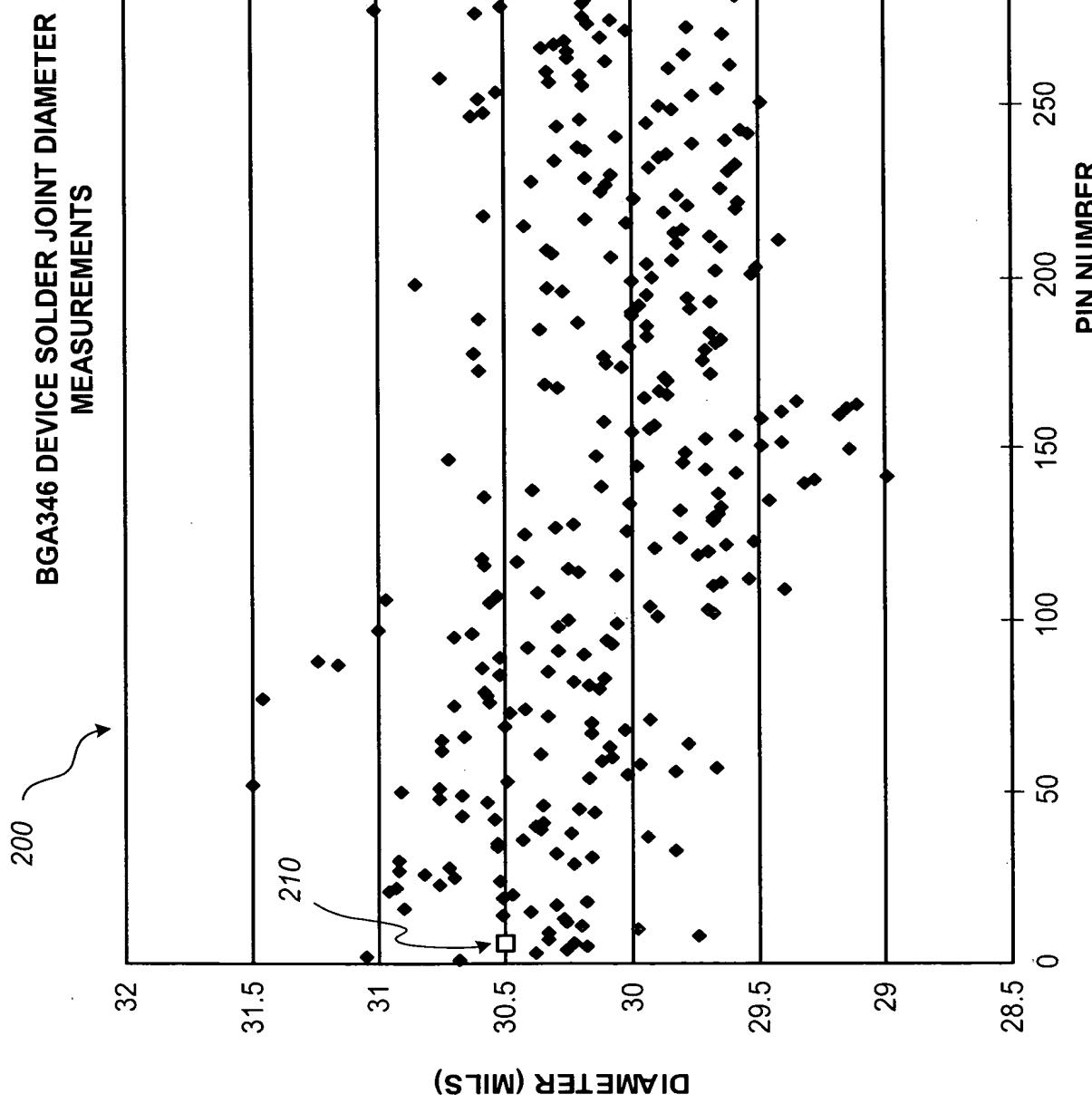


FIG. 2

APPROVED	O. G. FIG
BY	CLASS
DRAFTSMAN	Subclass

FOLIO 21 FOR 200 F

BGA347 DEVICE SOLDER JOINT DIAMETER
MEASUREMENTS

300

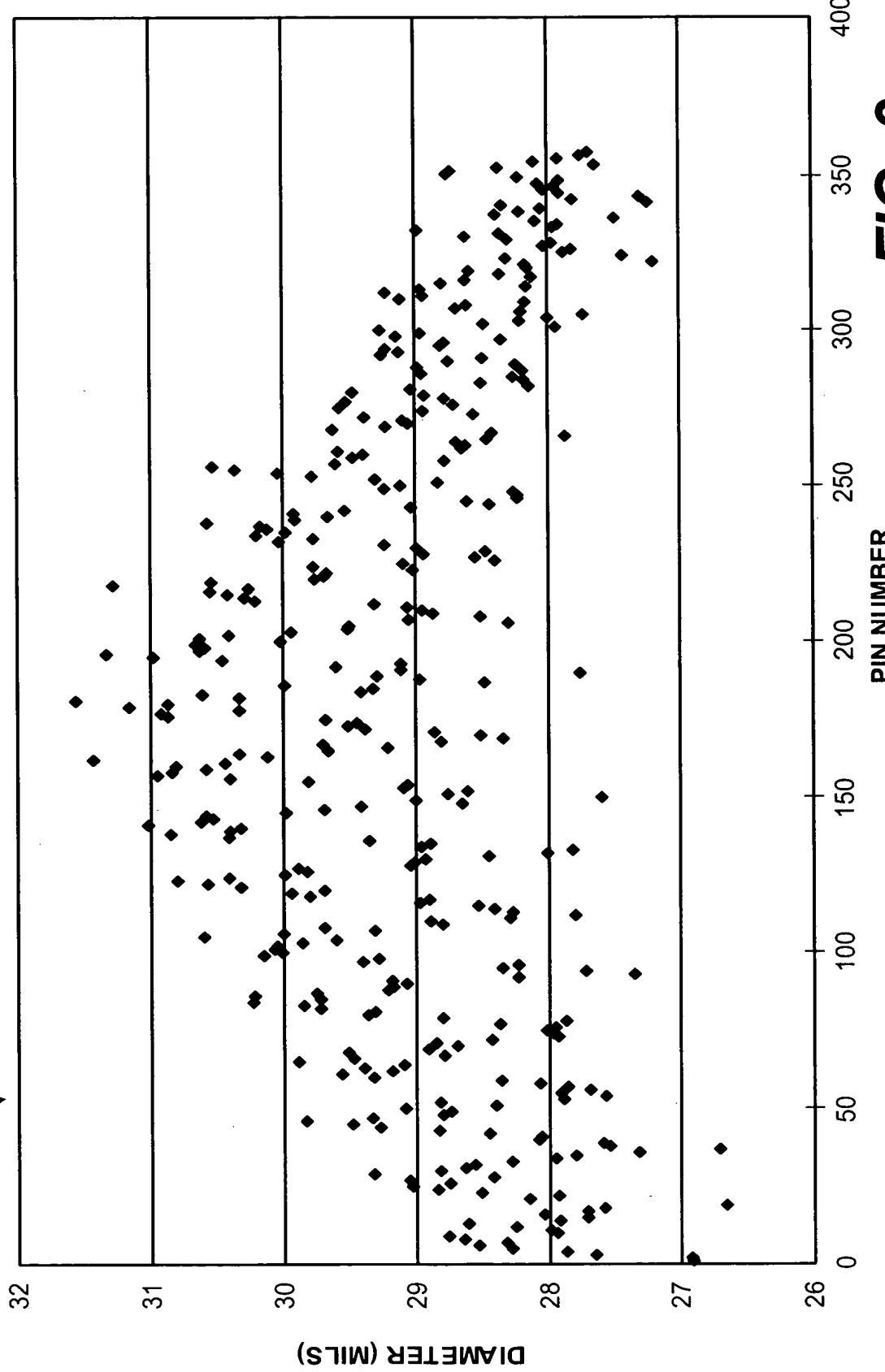


FIG. 3

APPROVED	O. G. FIG.
BY	INVENTOR
DRAFTSMAN	

Title: SYSTEM AND METHOD FOR ADAPTING TEST THRESHOLDS FOR IDENTIFYING SOLDER JOINT DEFECTS
Inventor: Lucy Ragland Agilent Technologies PDNO.: 100726-1
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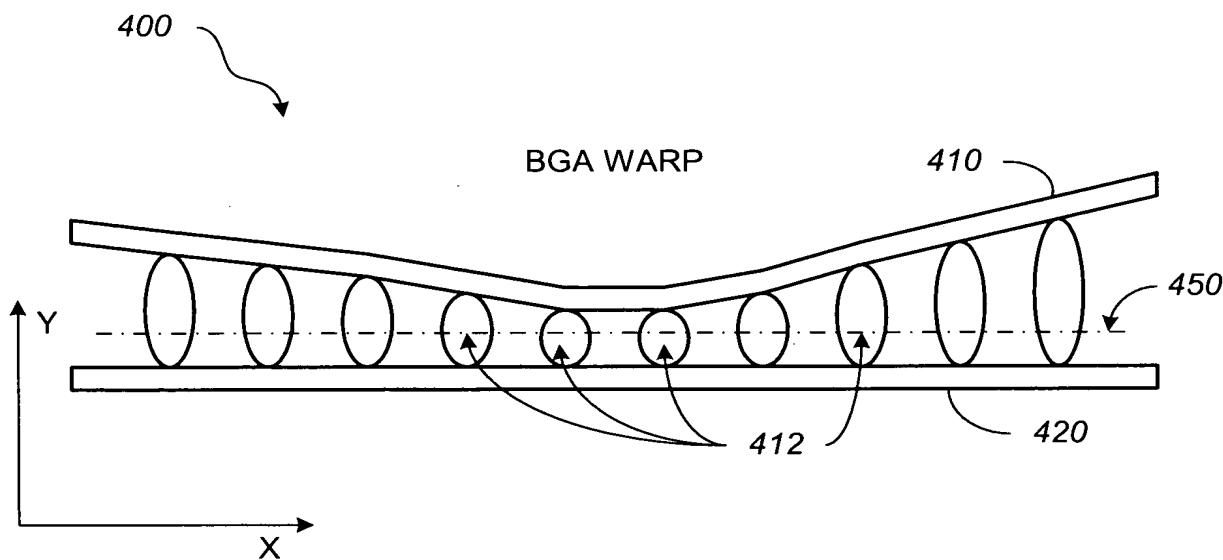


FIG. 4

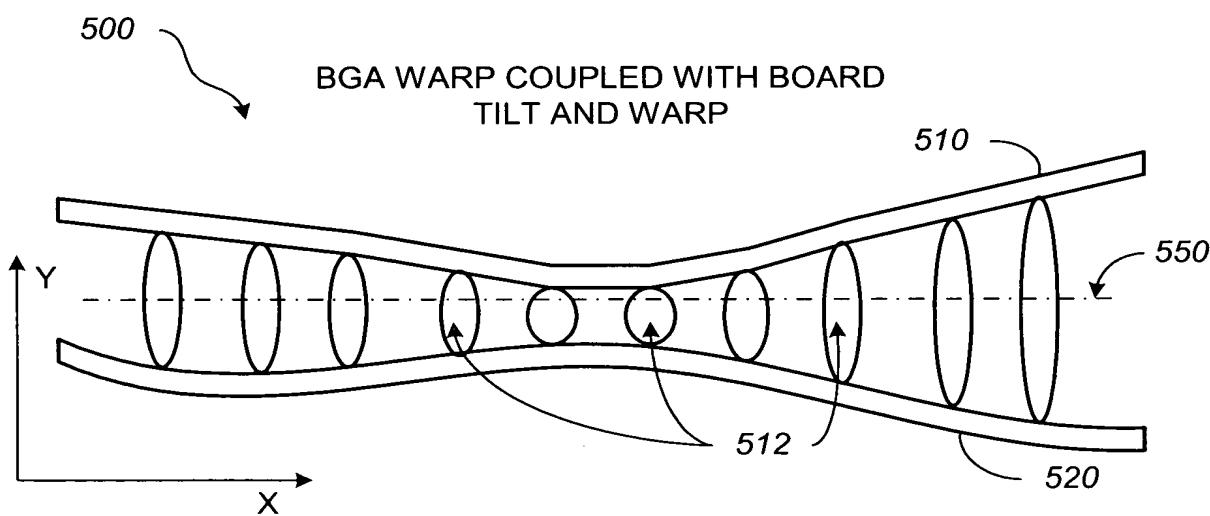


FIG. 5

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DRAFTSMAN	Inventor: Lucy Ragland Agilent Technologies PDNO.: 100-26-1.

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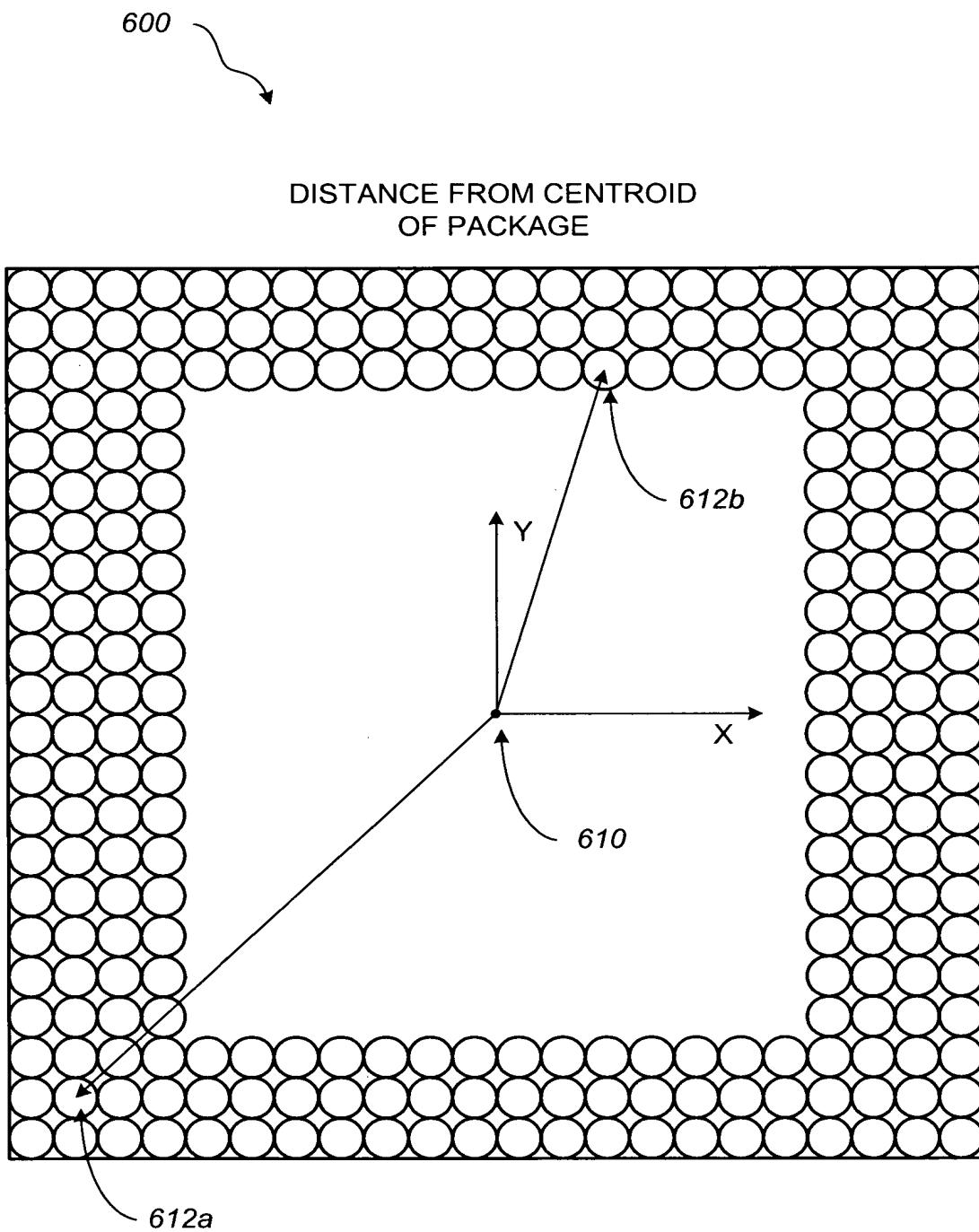


FIG. 6

APPROVED G. FIG.

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Title: SYSTEM AND METHOD FOR ADAPTING TEST THRESHOLDS FOR IDENTIFYING SOLDER JOINT DEFECTS

Inventor: Lucy Ragland Agilent Technologies PDNO.: 100-26-1

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700

BGA 346 DEVICE COMPONENT WARP

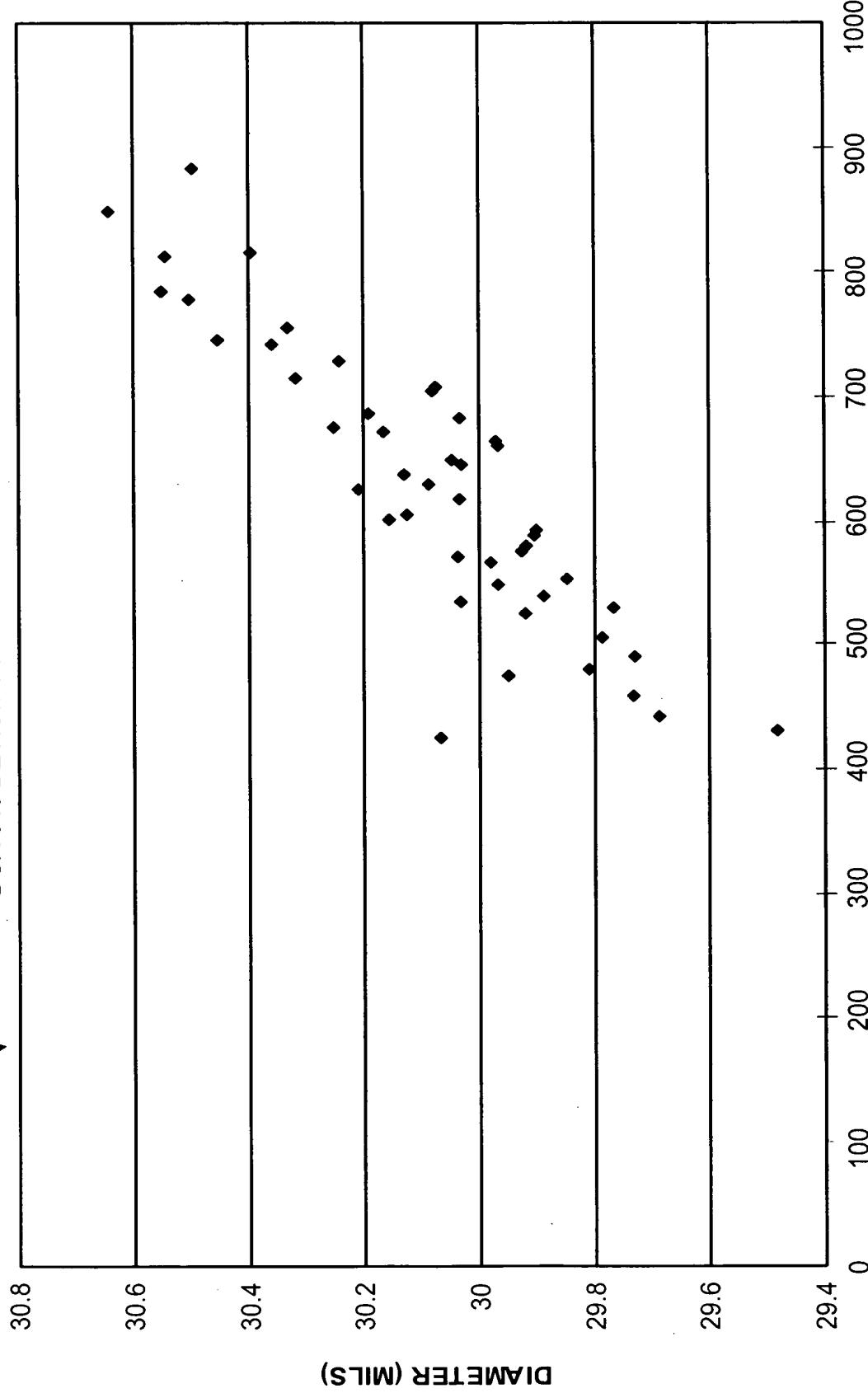


FIG. 7

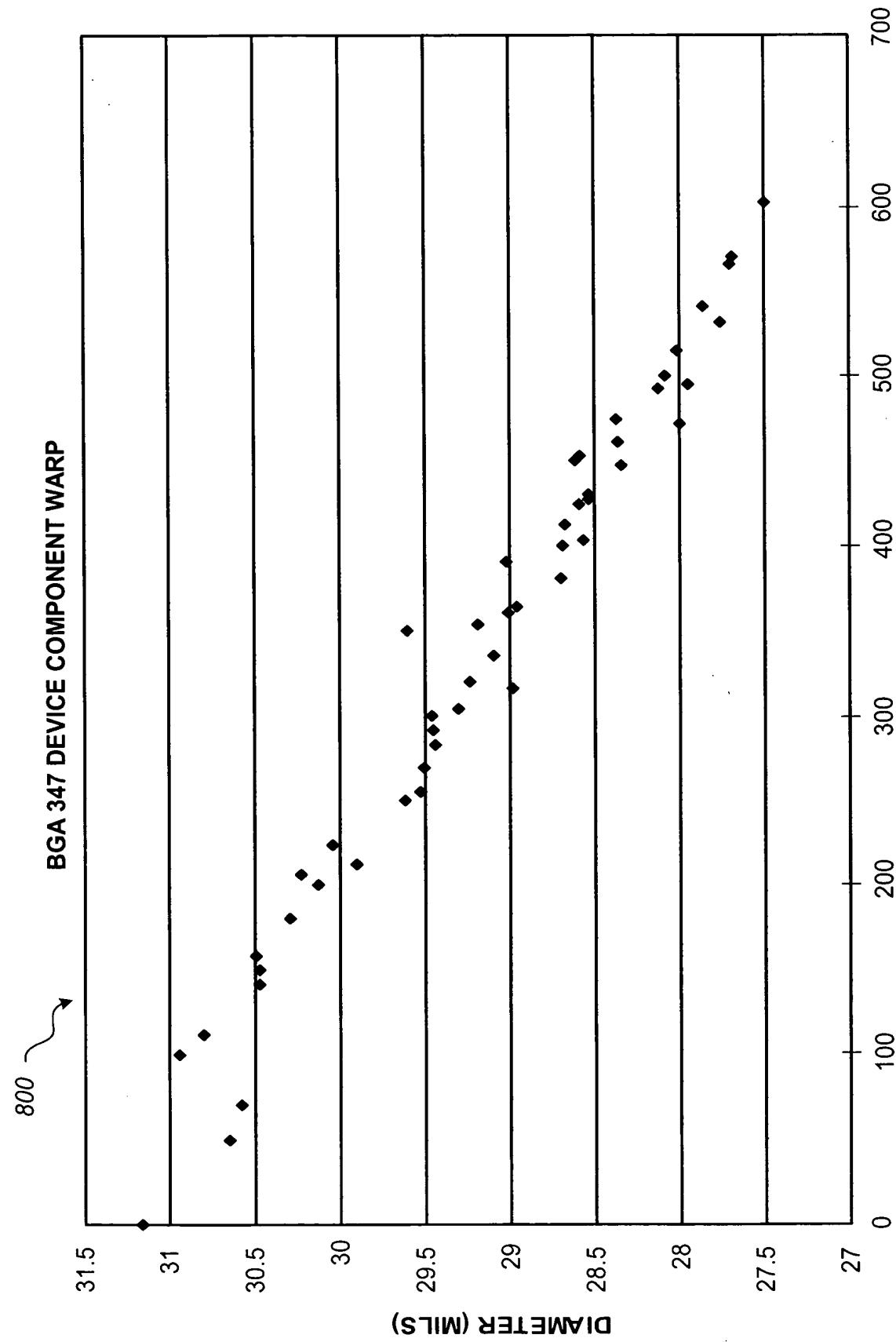
APPROVED O.C. FIG.

BY

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Inventor: Lucy Ragland Agilent Technologies PDNO.: 100-26-1

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Inventor: Lucy Ragland Agilent Technologies PDNO.: 100-26-1

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900

EXAGGERATED DIAMETER CHART FOR AN EXEMPLAR
BGA346 PACKAGE

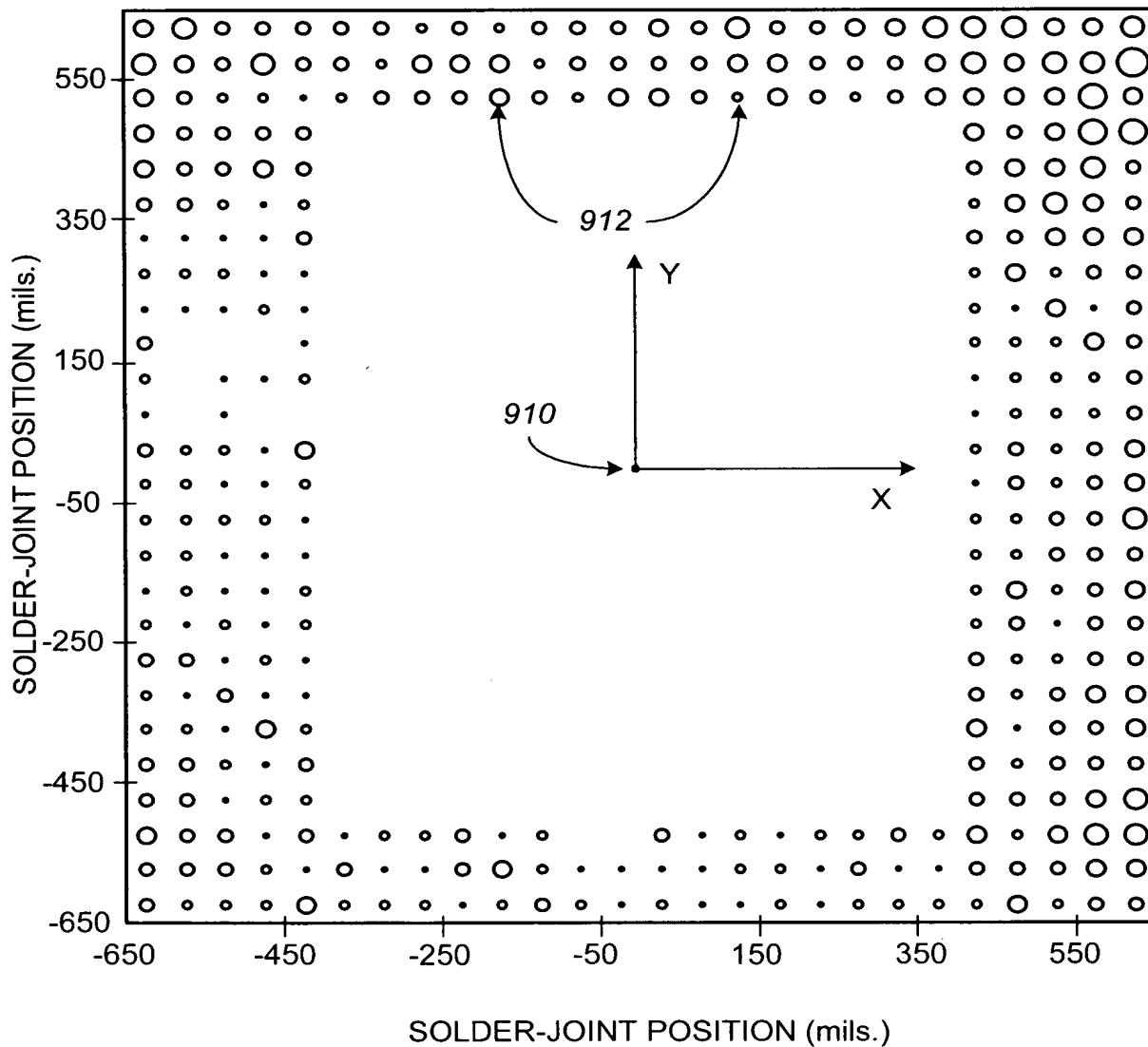


FIG. 9

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O. G. FIG.

CLASS 1 SUBCLASS 3

INVENTOR: Lucy Ragland
Title: SYSTEM AND METHOD FOR ADAPTING TEST THRESHOLDS FOR IDENTIFYING SOLDER JOINT DEFECTS
Inventor: Lucy Ragland Agilent Technologies PDNO.: 100-126-1
9/15

1000

EXAGGERATED DIAMETER CHART FOR AN EXEMPLAR
BGA347 PACKAGE

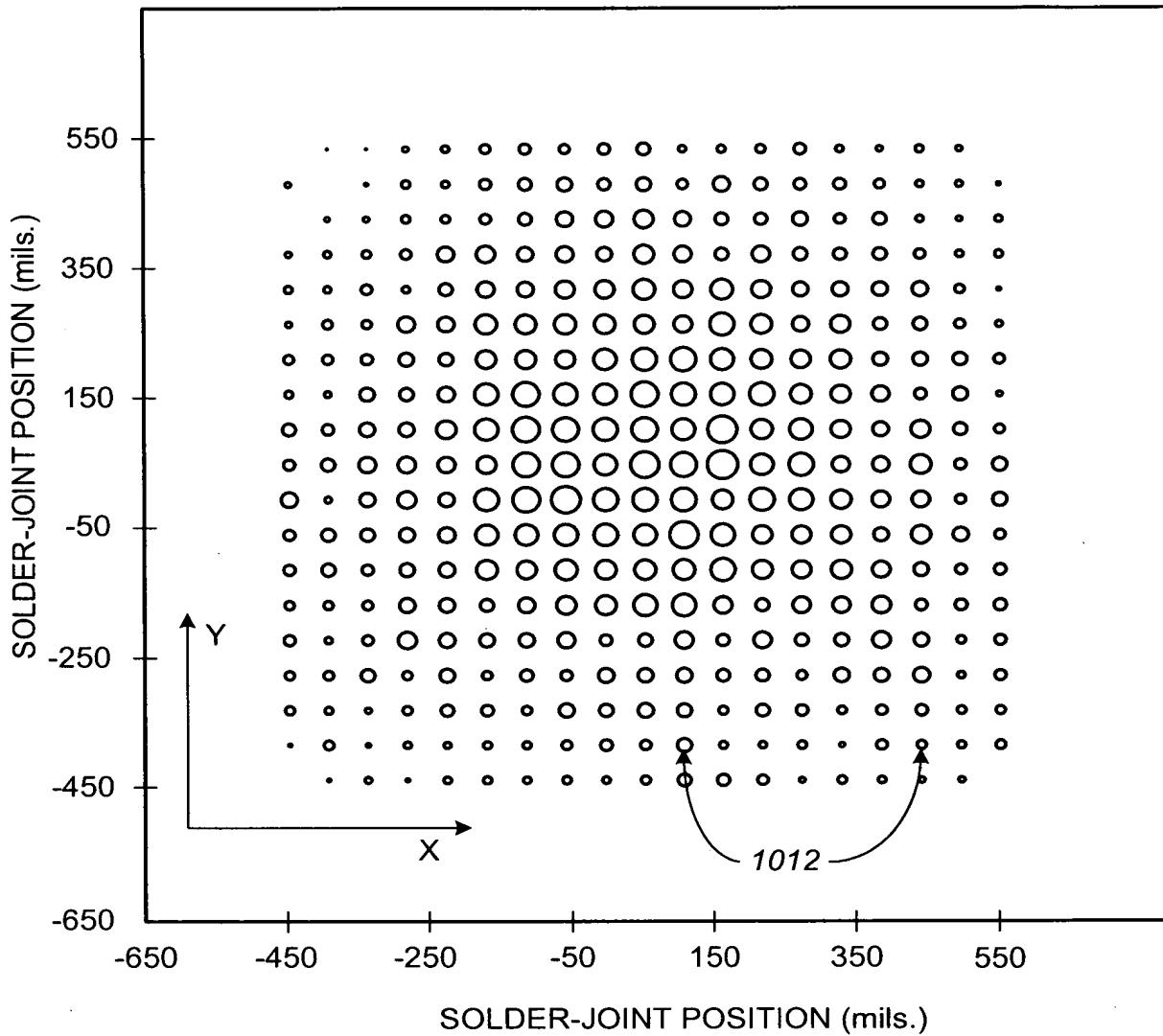


FIG. 10

APPROVED *O.G. RG*

BY Title: SYSTEM AND METHOD FOR ADAPTING TEST THRESHOLDS FOR IDENTIFYING SOLDER JOINT DEFECTS

Inventor: Lucy Ragland Agilent Technologies PDNO.: 100-26-1

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10/15

1100

NEAR NEIGHBOR ANALYSIS

10024404-1221701

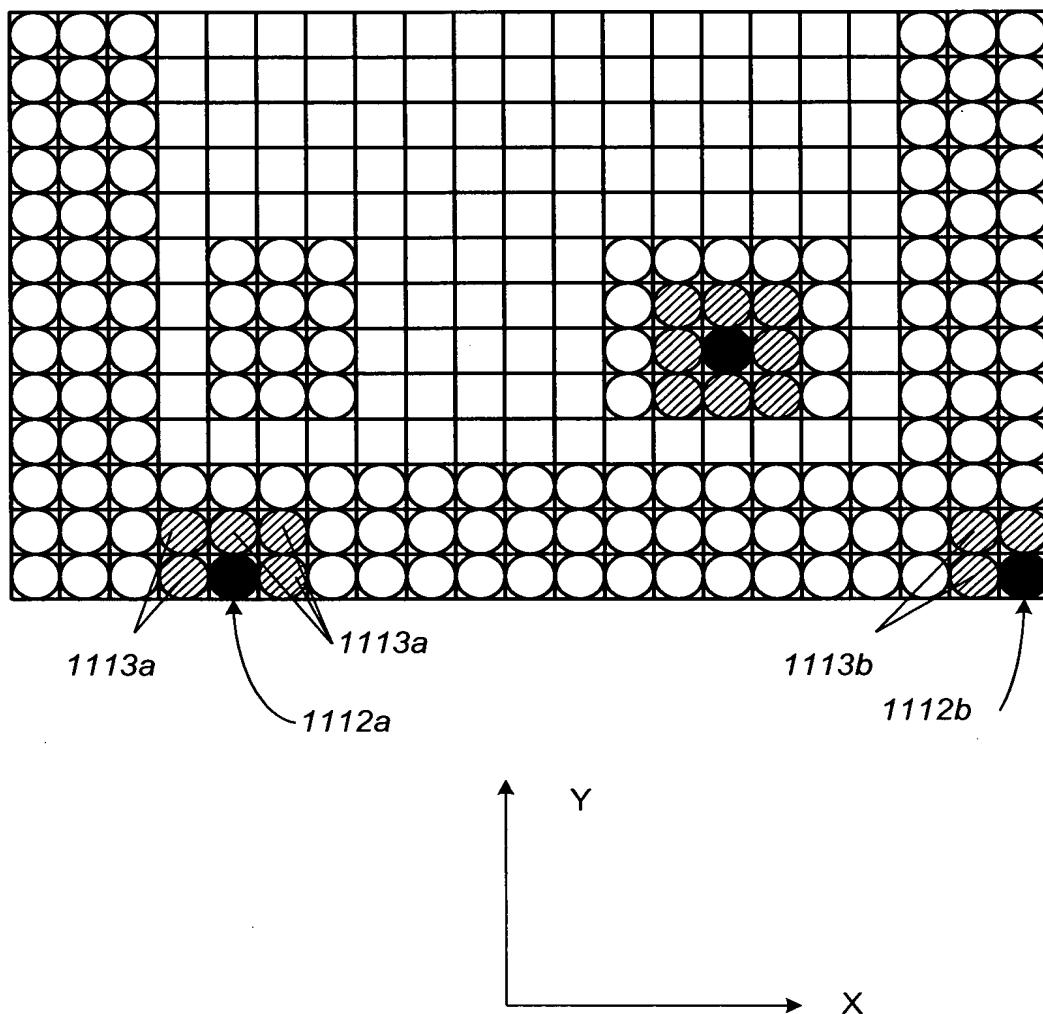


FIG. 11

APPROVED	O. G. FIG.
BY	Title: SYSTEM AND METHOD FOR ADAPTING TEST THRESHOLDS FOR IDENTIFYING SOLDER JOINT DEFECTS
DRAFTSMAN	

Method for Adapting Test Thresholds for Identifying Solder Joint Defects
Inventor: Lucy Ragland Agilent Technologies PDNO.: 100-26-1
11/15

FIGURE 12 FOR 2000

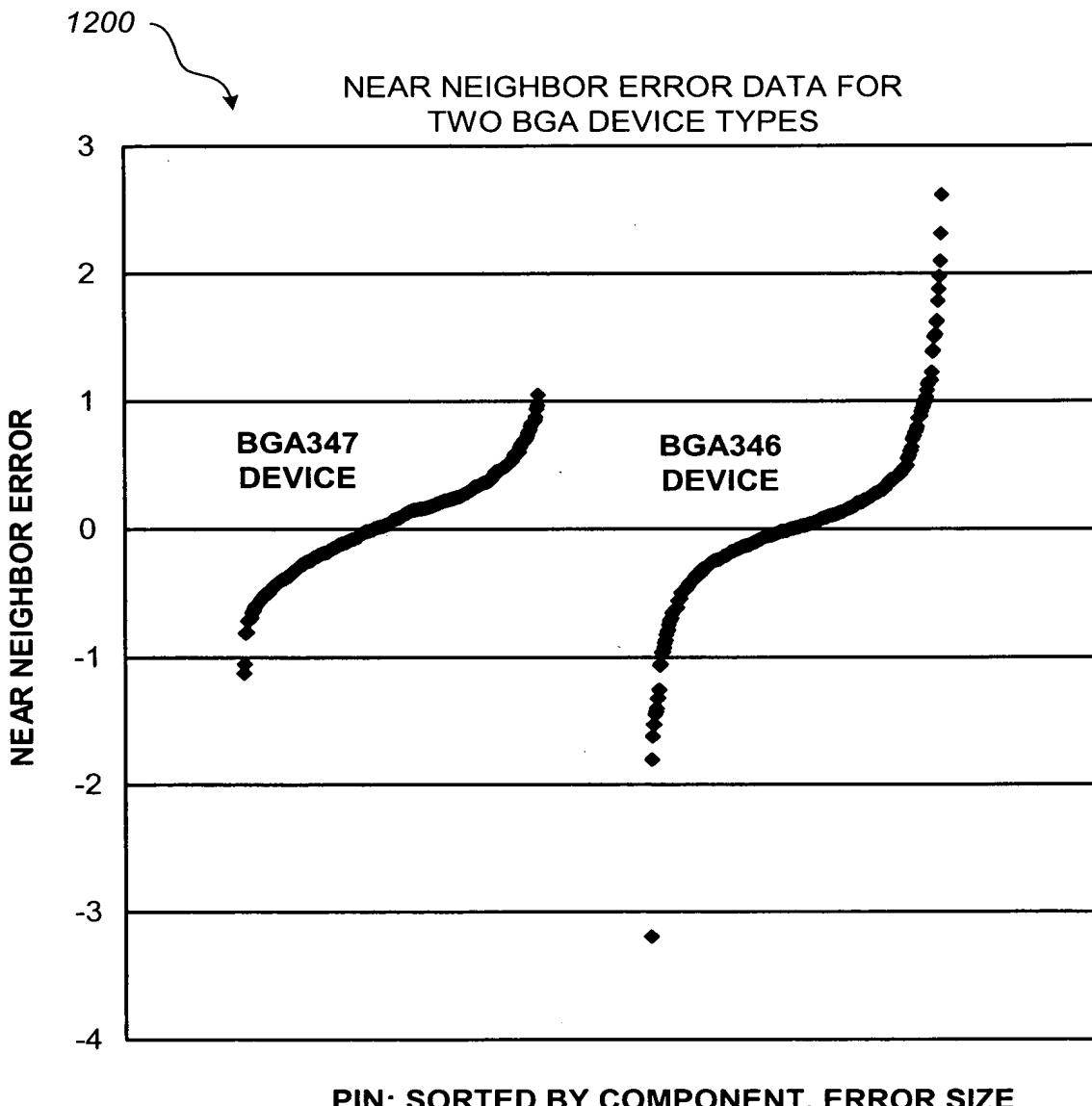


FIG. 12

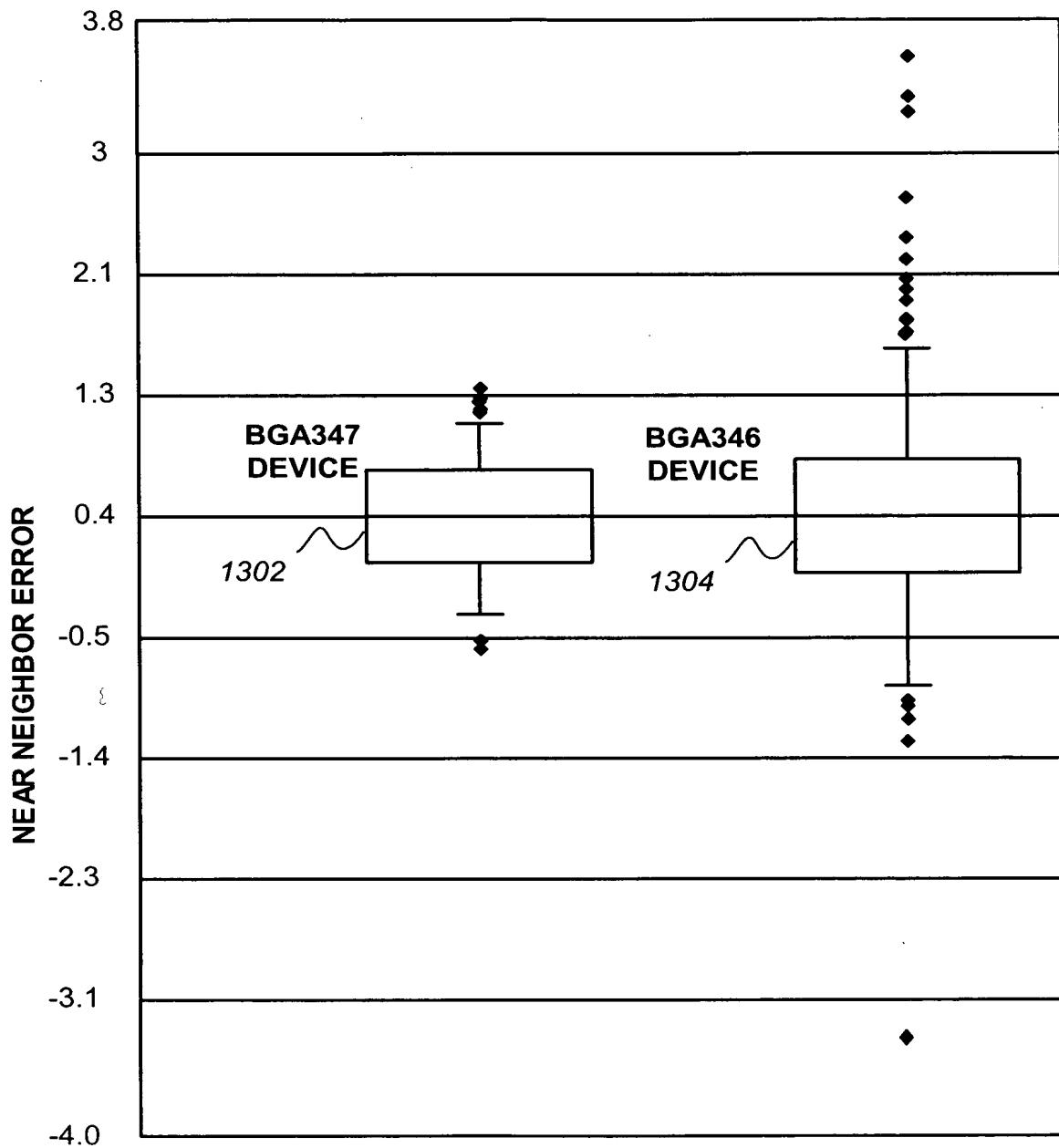
APPROVED	O. G. F.
BY	System
DRAFTSMAN	

Title: SYSTEM AND METHOD FOR ADAPTING TEST THRESHOLDS FOR IDENTIFYING SOLDER JOINT DEFECTS
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12/15

TOC FOR TOT-200OT

1300

NEAR NEIGHBOR ERROR OUTLIER ANALYSIS



PIN: SORTED BY COMPONENT, ERROR SIZE

FIG. 13

APPROVED BY	O. G. FIG. Title: SYSTEM AND METHOD FOR ADAPTING TEST THRESHOLDS FOR IDENTIFYING SOLDER JOINT DEFECTS Inventor: Lucy Ragland Agilent Technologies PDNO.: 100-16-1 13/15
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CLASS 1200

13/15

100-16-1-1400

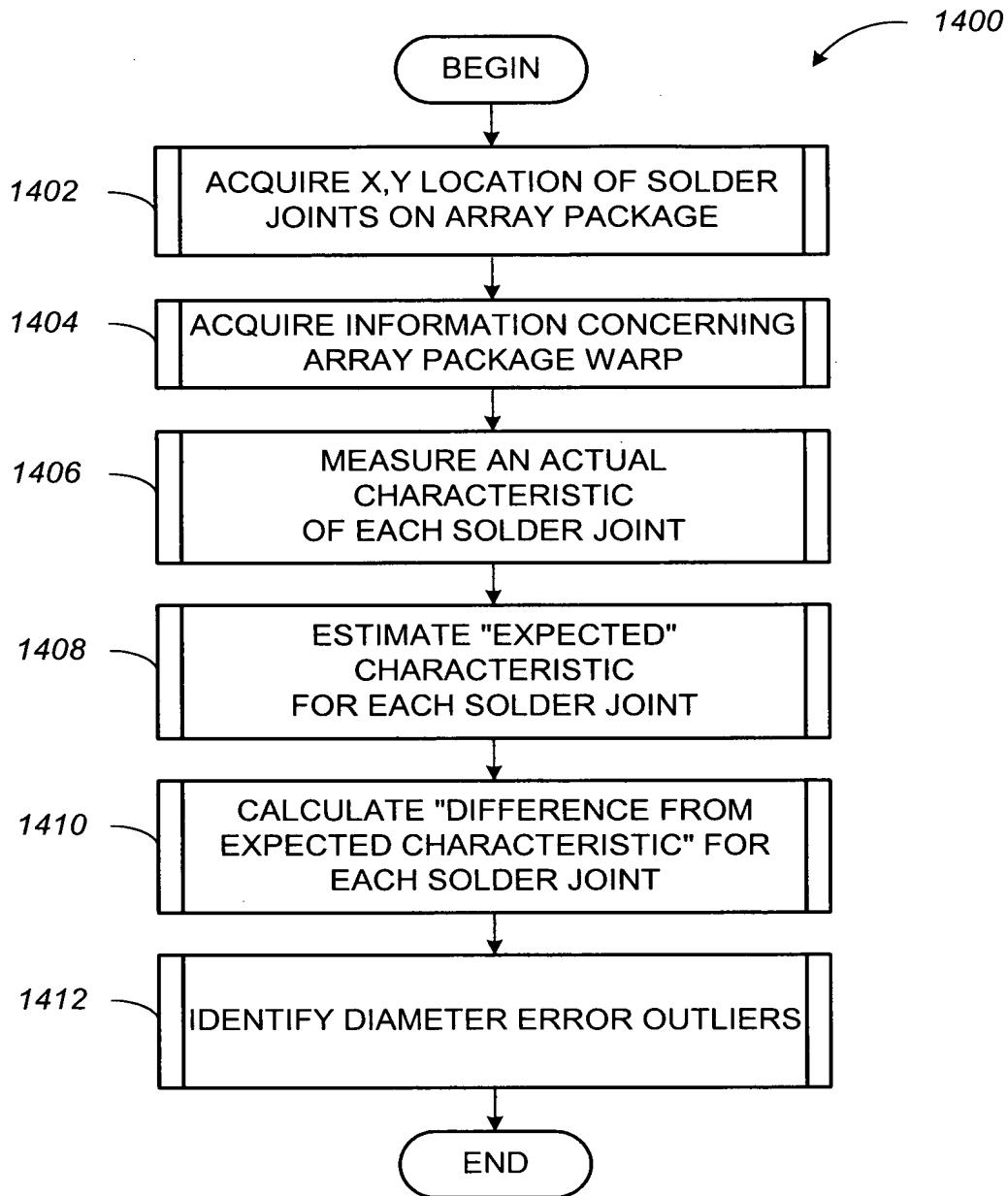


FIG. 14

APPROVED	O. G. FIG.
BY	Title: SYSTEM AND METHOD FOR ADAPTING TEST THRESHOLDS FOR IDENTIFYING SOLDER JOINT DEFECTS
DRAFTSMAN	Inventor: Lucy Ragland Agilent Technologies PDNO.: 100-26-1 14/15

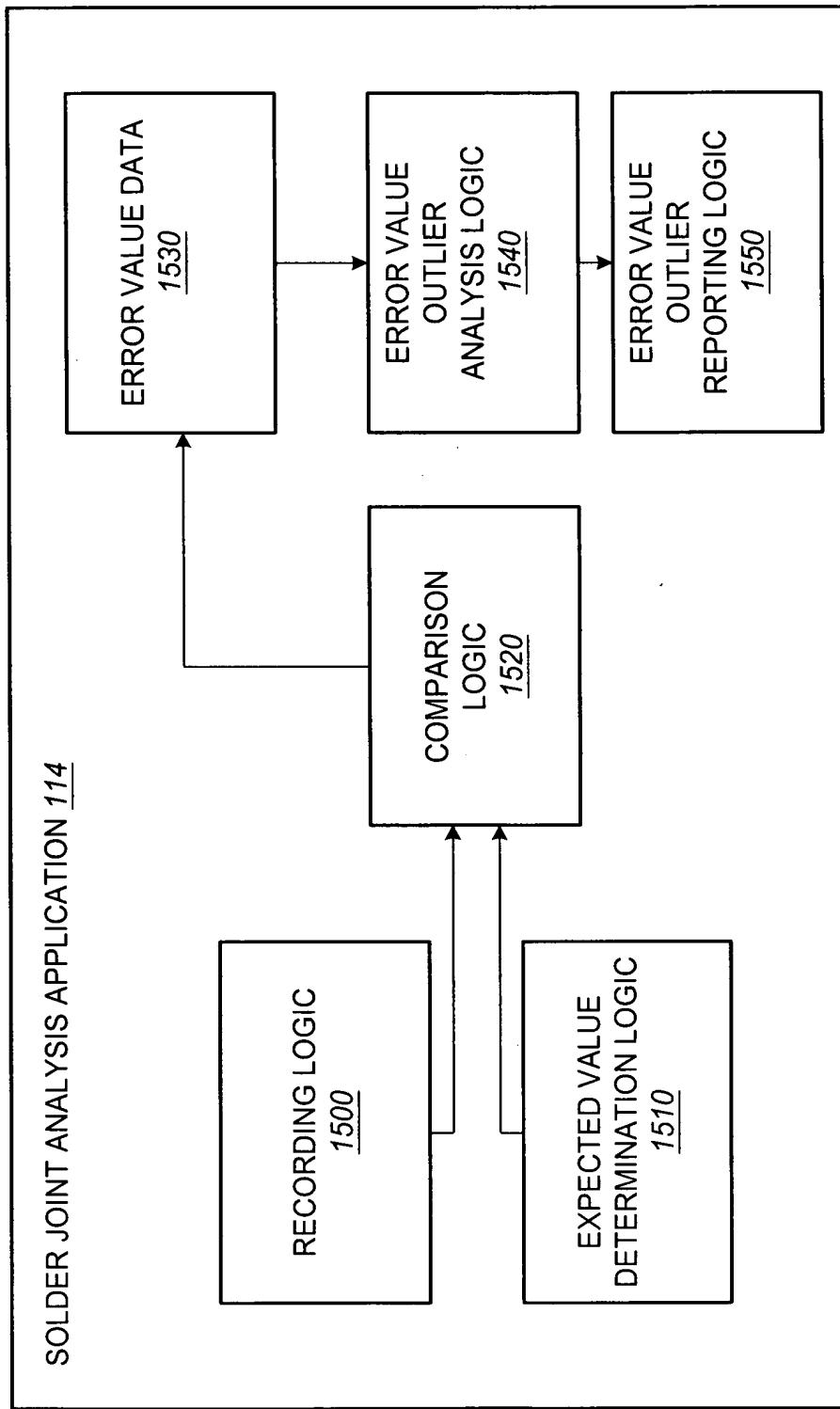


FIG. 15

APPROVED	10.0 FIG
BY	CLASS/SUBCLASS
DRAFTSMAN	

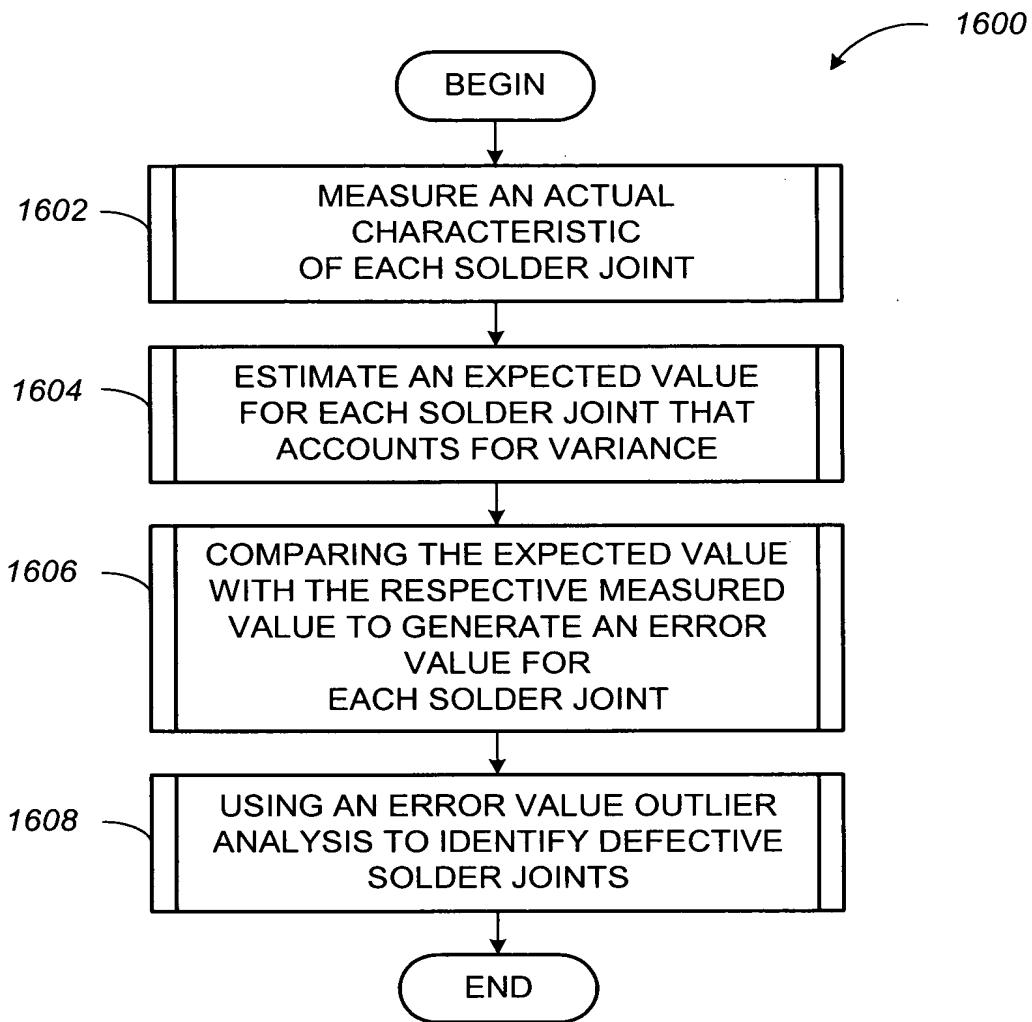


FIG. 16